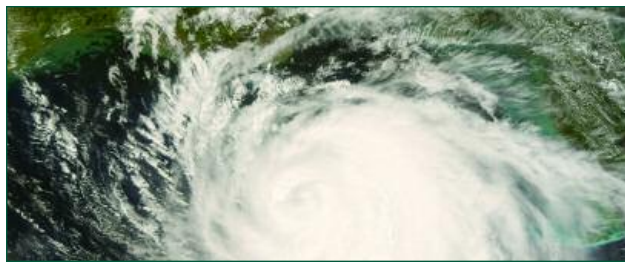


TEXAS GENERAL LAND OFFICE FIELD NOTES

JERRY PATTERSON, COMMISSIONER ♦ FEBRUARY 2009



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Jerry Patterson
Commissioner

Larry Laine
Chief Clerk

Bill Warnick
General Counsel

Divisions

Administration

512-463-5291

Archives & Records

512-463-5277

Asset Management

512-475-1427

Coastal Resources

512-475-0773

Communications

512-463-5339

Energy Resources

512-463-5042

Human Resources

512-475-1390

Information Systems

512-463-5141

Legal Services

512-463-5009

Oil Spill

512-475-1575

Policy & Governmental Affairs

512-936-1904

Professional Services

512-936-1929

Renewable Energy

512-463-9210

Veterans Land Board

512-463-5060

Welcome to the General Land Office



Welcome to the February 2009 edition of *Field Notes*, the newsletter about the state's oldest agency—the Texas General Land Office.

In this issue, every article is connected to Hurricane Ike, which devastated the Texas coast in September. If you're familiar with the GLO, you know we're the lead state agency on coastal issues related to beaches, dunes, oil spills and many other things.

Our first article sketches our overall response before and after Ike struck. Only a fraction of GLO employees involved with the effort are mentioned, or the article would be very long indeed.

Another story describes the effort to renourish the beach that protects the Galveston Seawall, which in turn protects the city of Galveston. This project is

our top priority.

You can learn how GLO employees helped their fellow Texans in the food drive article. Once again, the staff proved its reputation for charity and volunteer work isn't mere hype.

Chief Clerk Larry Laine has many fond memories of Surfside, having lived, worked and played there over the course of many years. Read about his emotional visit to the devastated village. Other stories in this issue cover our mobile field office, which allows worried coastal homeowners to discuss their properties with GLO experts, and the Fall Adopt-A-Beach Cleanup, which hauled off tons of debris from Ike.

Thanks for taking time to learn about the General Land Office and its hard-working people. If you have any questions, please refer to the last page where you'll find contact information for each department at the agency.

Sincerely,

Jerry Patterson
Commissioner

Agency Pulls Out All the Stops in Recent Hurricane Response

GLO personnel devoted many hours responding to Hurricane Ike after the storm struck in September, often sacrificing personal comfort and safety to serve the people of Texas. While the Category 2 hurricane's 110 mph winds and huge storm surge came and went, its legacy endures.

"This storm was devastating, it will take years to recover," said Commissioner Jerry Patterson, who saw the devastation first-hand. "The job before us now is to assess the damage and then plan accordingly."

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A common sight in Kemah after the storm.

A number of GLO program areas had an active role in the Ike response.

Oil Spill personnel concentrated on two operational areas after Ike finally left the coast: Houston/Galveston and the Golden Triangle. In the Houston area, three two-man boat teams assessed pollution, sunken vessels and waterway safety in the Houston Ship Channel and Clear Lake. In Beaumont, four three-man teams composed of two GLO personnel and one Coast Guard member conducted similar assessments in the Neches River and the Gulf Intracoastal Waterway. Two Oil Spill personnel supported the state's command and control operations at Reliant Stadium in Houston.

Meanwhile, deployed personnel bedded down at the La Porte field office, sleeping in air conditioned mobile command posts, a rented RV and bird rehabilitation trailers, while others slept at the U.S. Coast Guard Marine Safety Office in Port Arthur.

Three Information Systems GIS employees also lent their services at Reliant Stadium, providing vital map generation capability. "This has been a fantastic operational decision and their support has been invaluable," said Cheryl MacBride, Deputy Commissioner for Administration.

Obviously, Coastal Resources staffers had their work cut out for them. Jody Henneke, Deputy Commissioner for Coastal Resources, Eddie Fisher and Angie Sunley conducted overflights of storm-damaged areas, shooting video footage and still photog-



Drivers weave slowly past debris at the juncture of Kemah and Seabrook.

raphy. Planning for post-storm photographic missions is under way. The missions will require high resolution, georectified and color infrared to assess debris, damaged structure, shoreline and dune changes.

Coastal Resources is evaluating all CMP, CEPRA, CIAP I and Beach Watch damage costs and potential impacts to pending grant-funded projects. Ben Rhame is coordinating efforts to keep CCC members abreast of post-Ike activities. Unfortunately, the Caring for the Coast Conference originally set for September in Galveston had to be postponed.

Fisher conducted an impromptu rescue of a stranded baby dolphin near Surfside.

"Eddie was my hero," said Susan Biles of Policy and Governmental Affairs. "He was the first one out of the truck and with the help of one of the county staff, got the baby in the water."

Patterson pointed to the success of a \$2 million project completed in late August to buffer the village of Surfside from the Gulf of Mexico.



This house at Bermuda Beach on Galveston Island was blown from its piers by winds exceeding 100 mph.

"Ike has shown that protecting the coast, where it makes economic sense, saves public infrastructure and private property," he said. "The village of Surfside is proof. This storm will serve to redouble my efforts to secure a permanent, long-term source of funding for the Texas coast."

The day Ike hit the coast, Patterson issued emergency rules allowing coastal property owners to immediately begin work to stabilize and repair storm-damaged structures.

Professional Services met with Coastal Resources to discuss overflights after the storm and worked with the La Porte field office staff to get a 50KW generator connected to the office's electrical system. Colleen Robertson did an initial assessment of Matagorda County to determine if a more in-depth assessment was needed on the Colorado River and Caney Creek, while Amy Nunez took part in a flyover of Matagorda County.

Many staffers at the La Porte field office suffered damage to their homes and were without electricity; some relocated to evacuation sites. The field office sustained some water damage. Computer equipment in the Corpus Christi office had to be reinstalled.

Inspectors from Energy Resources inspected oil and gas platforms on state leases to assess the impact to production royalties.

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Agency Pulls Out All the Stops in Recent Hurricane Response

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Austin staffers are coordinating GIS with the well inventory to identify responsible parties for spills. The staff is also trying to ascertain the status of all hydrocarbon production on state submerged lands.

The Coastal and Uplands leasing group is evaluating a recommendation for rebuilding structures and is preparing a recommendation for rental adjustments to lease fees. The group also prepared an inspection database by county and water body. Maps have also been prepared of the impacted areas to assist staff with the evaluation process.

Commercial Leasing made contact with all but two lessees along the Galveston Seawall and called the agency's higher profile commercial leases, such as marinas, to assess damage.



Expensive sailboats in Kemah were tossed around like children's toys.

Information on damages to PSF timber tracts in East Texas was also collected. Employees have coordinated with the Texas Forest Service and are inspecting tracts on a priority basis that correlates with the Timber Damage Assessment Forest Inventory and Analysis document provided by the Texas Forest Service.

All in all, it was a hectic time for GLO personnel, and much still remains to be done.



Smith Point, in Chambers County, was one of many communities devastated by Hurricane Ike, a category 2 storm.



This wrecked platform in Trinity Bay will need a lot of work.

About Commissioner Jerry Patterson

On November 7, 2006, Jerry Patterson was re-elected as the 27th Commissioner of the Texas General Land Office. Born in Houston, Texas on November 15, 1946, Jerry Patterson has dedicated his life to public service. Graduating from Texas A&M, Class of 1969 and receiving his commission in the United States Marine Corps, Patterson volunteered for duty in Vietnam in 1972 and was later designated as a Naval Flight Officer and served in Marine fighter squadrons until his retirement from the Marine Corps Reserve as a Lieutenant Colonel in 1993.

Five consecutive generations of Patterson's family have served our nation in time of war. Patterson is a life member of the VFW, American Legion and Vietnam Veterans of America. As state senator for District 11 (Harris, Galveston, Brazoria), Patterson's major

legislative successes include passage of the historic concealed handgun law, a constitutional amendment allowing home equity lending, the state coastal management plan and the creation of the Texas State Veterans Home Program. A tireless advocate for his fellow veterans, he chaired the first Veterans Affairs committee in the Texas Senate and hosted the first POW/MIA day at the Texas Capitol.

Jerry resides in Austin and has four children, twins Samantha and Cole, born in 2004, Emily and Travis. His daughter Emily is an attorney working in Kosovo for an agency funded by the U.S. State Department. His son Travis is a graduate of Texas A&M, where he was commissioned as a Marine Lieutenant. He recently returned from serving his 2nd tour of duty in Iraq as a U.S. Marine attack helicopter pilot.

Work Under Way to Protect Galveston Seawall

Work on an emergency beach renourishment project to protect the Galveston Seawall began around mid-December, as dump trucks started hauling more than 400,000 cubic yards of sand for the project.

Hurricane Ike's storm surge devastated Galveston and, in some places, threatened to undermine the timber underpinnings of older sections of the Galveston Seawall. The emergency beach project, which will stretch from 61st Street to 10th Street, will protect the future stability of the historic seawall.

"This emergency project will protect what has protected Galveston for all these years," Patterson said. "Since Ike struck, this project has become the top priority for the Land Office's coastal erosion response efforts."

The project is expected to cost as much as \$14.5 million. The Land Office has partnered with the Park Board of Trustees of the City of Galveston for the project, which is on a fast-track. Work began with trucks hauling in sand from a source adjacent to Apffel Park, and is set to finish with the start of turtle nesting season in March.

"By the time the next storm season hits, the seawall will be protected," Patterson said.

The first phase of the work, from 61st Street to 43rd Street, will be done with \$4.5 million the Land Office has on hand along with \$1.5 million from the Park Board of Trustees. This will put about 300,000 cubic yards of sand on the beach. Patterson is seeking additional funding to continue the project to 27th Street before turtle-nesting season begins in March. Work is expected to continue after nesting season to extend the beach renourishment project all the way to 10th Street. The goal of the project is to add 70 feet of additional beach the entire way.

Patterson said the seawall project will protect hundreds of millions of dollars worth of public infrastructure; from roads, water and sewer systems, to the homes and businesses that make up the Galveston tax base.

"This emergency project will protect the city's greatest asset," Patterson said. "The Texas General Land Office is going to save what saved Galveston."



Hurricane Ike washed away the sand that protected the Galveston Seawall from erosion. The last renourishment project in the damaged area of the Seawall was in 1995, resulting in a tourism boom for Galveston and helping the endangered Kemp's ridley sea turtle.

The Galveston Seawall has protected the city since 1904. At least three areas of the Seawall suffered significant damage during Hurricane Ike, causing the surface of the structure to buckle in more than a dozen places.

"In that area of the Seawall the underpinnings are made of large timbers," said Eddie Fisher, Director of Coastal Protection at the Coastal Resources Division. "If the waves and tides get up to them they can damage the subsurface of the Seawall."

Sand for the project will be dredged from the ship channel bottom near Apffel Park and pumped into a levee at the park. Trucks will haul it from the park to the Seawall.

"It will help the city at a time when it really needs it," Fisher said.

The last renourishment project in the damaged area of the Seawall was in 1995, resulting in a tourism boom for Galveston and helping the endangered Kemp's ridley sea turtle.

"It will facilitate turtle nesting by having at least 50 feet more of beach there," Fisher said. "Right now at high tide, the water goes right up to the rocks protecting the seawall."

Since Hurricane Ike struck the Texas Coast, the Land Office has been a leader in the coast's recovery. Before the storm even struck, Patterson established emergency rules that allow property owners to make immediate repairs. Patterson has also decided to wait a full year to allow the natural recovery of the beach before considering enforcement actions under the Texas Open Beaches Act.

For more on the Texas General Land Office's response to Hurricane Ike, visit www.glo.state.tx.us.



At least three areas of the Seawall suffered significant damage during Hurricane Ike, causing the surface of the structure to buckle.

Hurricane Ike Rebuilding Effort Gets Boost with Mobile GLO Office

Coastal homeowners with questions about the 4.5-foot line of elevation, FEMA buyouts or other permitting issues can get answers at the General Land Office's mobile Hurricane Response Information Unit, which has set up shop at multiple locations in hard hit areas.

"Having this mobile command post pull up in the neighborhood means help is on the way for coastal home owners," said Commissioner Jerry Patterson. "It will be as if the Land Office has set up shop in their backyard, ready to answer questions about permits and rebuilding."

The Land Office's Hurricane Response Information Unit is open from 9 a.m. to 4 p.m. each day. The unit is staffed with Land Office coastal experts ready to answer questions and armed with handouts, maps and other valuable information.



The Hurricane Response Information Unit has been a big hit with anxious property owners in areas devastated by Hurricane Ike.

"I had a great time at the Mobile Information Unit because the GLO and local government people I worked with and got to know were great company and total professionals, and the customers were so thankful and appreciative," said Rob Conti of

Coastal Resources' Beach/Dune team.

Conti said coastal property owners appreciated Mobile Information Unit staffers for taking some of the mystery out of the 4.5-foot line. GLO employees gave worried citizens printouts showing the location of their homes relative to the line, which is temporary.

"They also appreciated finding out who to contact at the GLO and local governments to get more detailed information we could not provide," Conti added. "I enjoyed it so much, I'm looking forward to returning in February."

Deployment of the Hurricane Response Information Unit is just the latest effort by Patterson to help coastal homeowners rebuild after Ike. Patterson recently released GLO Earth, a Google Earth-based application that shows how the upper Texas coast looked before and after Ike. GLO Earth also shows where the new 4.5-foot line of elevation is, making crucial information easily available for coastal property owners, wherever they may be.

"The 4.5-foot line will be reassessed in the future, and its position is not yet permanent," Conti said.

The all-important line—which marks where the elevation is 4.5-feet above mean sea level—will be used to determine where new construction is allowed on the coast. As additional surveys are done on the ground, this 4.5-foot elevation line will be shown on GLO Earth for the rest of the Upper Texas Coast that was impacted by Ike.

GLO Earth is available on CD or online on the GLO Hurricane Response page at www.glo.state.tx.us at the Hurricane Ike Shoreline Assessment link. PDF maps of the 4.5-foot line, by neighborhood, are also available there.

GLO Staffers Give Generously to Help Ike Victims

When Hurricane Ike forced a mass evacuation from the Texas coast, as many as 5,000 refugees wound up in Austin emergency shelters where their basic needs were met. But for at least 1,600 evacuees who didn't stay in the city's shelters, obtaining food and other necessities became a huge problem.

Stepping up to meet those needs were GLO employees, who gave generously to the Capital Area Food Bank (CAFB) and the American Red Cross after an appeal by Commissioner Jerry Patterson.

"We know that there are still many evacuees and their families in Austin that are in desperate need of food and shelter," Patterson wrote. "The Capital Area Food Bank continues to distribute food to evacuees, but is exhausting its inventory quickly."

Alex Saenz, of the GLO's Energy Resources Division, who coordinates the agency's CAFB donations, and Pete Gaitan of the Archives and Records Division, set up collection boxes on each floor of the Stephen F. Austin Building that has GLO offices. Saenz was impressed by his colleagues' generous response.

"The first week was amazing," he said. "We got a lot of money and about 250-300 pounds of food."

Helen Young, Deputy Commissioner for Internal Audit, was in charge of collecting cash donations for the CAFB and Red Cross. GLO staffers made 49 separate donations to the cause. Young said GLO employees contributed \$3,565 to their fellow Texans, with \$2,840 going to the food bank and \$725 to the Red Cross. Lowe's matched

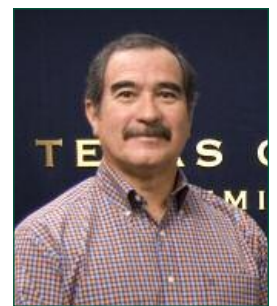
the donation to the latter, for a total contribution of \$1,450 to the Red Cross thanks to agency staffers.

"It's just been an overwhelming demonstration of the generosity of the Land Office employees," Young said. "We had everything from \$5 to \$500 donated. I know some employees had already contributed to the food bank (for Ike evacuees) before we started this drive."

Gaitan and Saenz loaded the donated food onto Gaitan's truck and delivered it to the CAFB. They were amazed at what they saw. Donated food is normally taken inside the CAFB warehouse to be cleaned, sorted, stored then packaged for delivery. But the overwhelming need of evacuees caused normal procedures to be abandoned. "They had about half a dozen people on the docks unloading donations," Saenz said. "They took them straight to the parking lot where evacuees picked them up."

At the CAFB location on South Congress between William Cannon and Slaughter, traffic was backed up half a mile in each direction on the first day, September 15. All food was gone in four hours, prompting Patterson's appeal for donations.

"It's staggering how many of our friends, family members and neighbors were affected by this, and how many GLO employees want to help," Young said.



Alex Saenz.

Chief Clerk Has Close Ties to Hard-Hit Surfside

GLO Chief Clerk Larry Laine visited Surfside shortly after Hurricane Ike departed in September to get a first-hand look at the damage. No stranger to the little village on the Gulf of Mexico, Laine has many fond memories of the place, stretching from childhood to recent fishing trips with family members.

"Growing up in high school, much of my time was spent at Surfside," Laine said. "I was there every weekend. If I wasn't lifeguarding, I was there."

Laine admits he's a beach person and was once an avid surfer. So naturally, he went to the beach and the closest was Surfside, which has some of the better surfing conditions in Texas.

While he doesn't surf much anymore, Laine loves to fish in the Surfside area, which is blessed with a multitude of flounder, redfish and speckled trout.

He even lived in Surfside while working for a real estate firm there. Among other things, he rented beachfront houses, including 11 owned by Brooks Porter, who has been involved in a lawsuit with the GLO over the Open Beaches Act.

"I lived in Surfside four to five rows back from the beach," Laine said. "I lived there for a year and visited often as a child."



Chief Clerk Larry Laine, left, somberly surveys the damage done to Surfside.



One of many scenes of destruction witnessed by Laine shortly after Ike departed.

Laine has a connection of some sort with many of the homeowners and properties currently on the public beach, including a pavilion where he and his wife, Connie, celebrated their 25th wedding anniversary. The pavilion was still standing after Ike but due to the damage it sustained the structure is due for demolition.

"I saw erosion events there before but nothing like Ike," Laine said. "It's not the end of the world that some might think it is. A

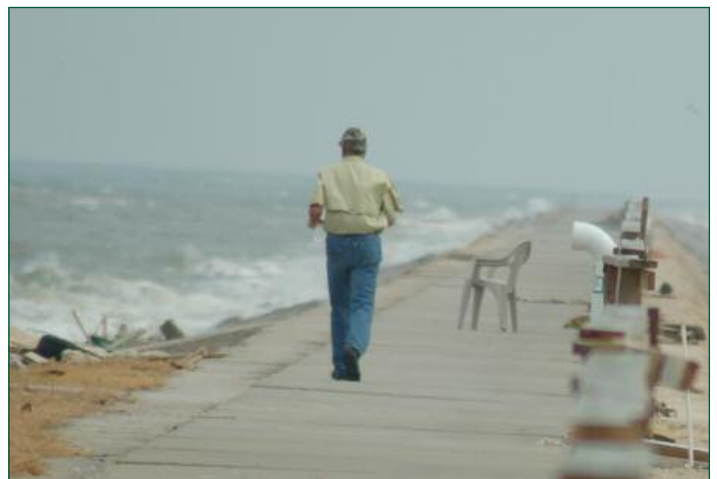
lot of that sand is in the Gulf, which is why it's so brown now. It will get deposited on the beach again somewhere. That's why the Commissioner says you have to wait a year to see if a beach will recover from an erosion event."

As a former real estate agent in the area, Laine is certain property owners know their homes can end up on the public beach. "I'm very familiar with the disclosure notice," he said. "They had to sign it in my presence when the land deal was closed."

But knowing the risks doesn't deter some folks, even those who've endured nature's wrath before. "These people are used to this," Laine said. "If they suffer storm damage they fix it and move on. They love their houses. They're beach people. I kind of consider myself a beach person."

Although Laine is now in a position where he must enforce the Open Beaches Act, he can empathize with those who want to live on the beach, even though he knows the risks.

In fact, Laine would love to have a house on the beach ... "as long as it's behind a revetment."



Larry Laine walks along a Surfside jetty to get a better look at damage caused by Hurricane Ike.

Did you know ...

... that Land Office employees have devoted approximately 15,000 hours responding to Hurricane Ike?

AAB Volunteers Clean Up After Hurricane Ike



Renee Tuggle, Statewide Coordinator for Adopt-A-Beach, stands near the remains of a life pod used for emergency evacuation from offshore oil rigs. Tuggle found the pod on North Padre Island during the Fall Adopt-A-Beach Cleanup in September.

Nearly 3,500 volunteers hauled more than 101 tons of trash off Texas beaches during the 22nd Annual Texas General Land Office Adopt-A-Beach Fall Cleanup on Saturday, September 27.

That 101-ton total is all the more impressive considering that for the first time in 22 years thousands of Adopt-A-Beach volunteers couldn't reach the beaches in Beaumont, Galveston or Surfside. Thanks to Hurricane Ike, those sites were closed due to safety concerns. However, Adopt-A-Beach volunteers from Matagorda Beach to Boca Chica removed a heroic amount of Hurricane Ike-related debris.

"Hurricane Ike trashed our Texas beaches," Commissioner Jerry Patterson said. "But Texans know how to pull together and bounce back."

Adopt-A-Beach volunteers in Rockport bagged more than eight tons of junk. Last year, the same three-mile stretch of Rockport

Beach yielded less than one ton. At Padre Island National Seashore, Adopt-A-Beach volunteers cleaned 31 tons of trash from a beach that yielded a mere nine tons of trash last fall.

At Adopt-A-Beach sites across the coast, volunteers reported finding a heartbreaking array of household items washed away by Hurricane Ike's storm surge: scores of computer monitors and prescription medicine bottles, as well as rugs, furniture, a shower stall, an outhouse, telephone poles, boat docks, hot tubs and TVs. At Padre Island National Seashore, they even found a sailboat washed ashore and two life pods from offshore rigs.

The Texas General Land Office's Adopt-A-Beach Cleanup is an all-volunteer effort to remove trash from Texas' shores. Coastal cleanups are held three times each year and the program's success is due to the hard work of volunteers, including local coordinators who work many unpaid hours publicizing the cleanups in coastal communities.

Since 1986, more than 374,000 Adopt-A-Beach volunteers have picked up more than 7,100 tons of trash from Texas beaches, some of it originating from as far away as South America. Volunteers record data on the trash to learn more about the causes of marine debris and to help mitigate pollution along Texas' 367 miles of coastline.

The next coastwide cleanup will be the Spring Adopt-A-Beach effort scheduled for April 25, 2009.



Debris deposited by Hurricane Ike stretches as far as the eye can see along North Padre Island.

Patterson Unveils GLO Earth

In November 2008, Commissioner Jerry Patterson announced the release of GLO Earth, a Google-based application that brings clarity to the mess that Hurricane Ike left of the upper Texas coast.

"For nearly 50 years now, the Land Office has served as steward of the Texas coast," Patterson said. "This tool gives us clarity, and makes sure the Land Office—and everyone else—has the best information available."

Perhaps the most important feature on GLO Earth for coastal property owners is the 4.5-foot elevation line it shows for the Galveston area. This line—which marks where the elevation is 4.5-feet above mean sea level—will be used to determine where construction is allowed on the coast. As additional surveys are done on the ground, this 4.5-foot elevation line will be shown on GLO Earth for the rest of the upper Texas coast.

According to the Texas Open Beaches Act, the beach is public property and no private structures may be built there. The boundary of the public beach is determined by the natural line of vegetation. Hurricane Ike destroyed the line of vegetation on the upper

Texas coast. Research shows vegetation won't re-establish itself below 4.5 feet above mean sea level. Therefore, the Land Office will use this 4.5-foot elevation line as a temporary placeholder for the line of vegetation in determining where the public beach begins.

Based on the popular and easy-to-use Google Earth, GLO Earth layers post-Hurricane Ike photos of the coast over pre-Hurricane Ike satellite photos of the upper Texas coast.

"With a click of a mouse, GLO Earth allows anyone, anywhere to select a pinpoint on the map and zoom in for a closer look at how it was before Ike, as well as how it looked in the days after Ike," Patterson said.

The National Oceanic and Atmospheric Administration shot all four post-Ike images on four separate flights from September 14 through September 17.

In the weeks following the storm, Land Office staff members also took multiple photographs from each property along the coast and loaded that data into the GLO Earth application. This allows coastal property owners all over the state to pinpoint their indi-

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Patterson Unveils GLO Earth

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Owners of beach houses damaged by Hurricane Ike—like this one on the Bolivar Peninsula—can now access GLO Earth to see if their properties are at least 4.5-feet above mean sea level.

vidual property or properties along the coast, and will serve as a

valuable tool for state, local and federal officials overseeing the responsible redevelopment of the upper Texas coast.

While the Texas Open Beaches Act prohibits private structures on the public beach, Patterson will not enforce this state law for at least a year after September 13. This will let the beaches recover to their new, post-Ike profile over a period of four seasons. Construction permits will not be given for properties below the 4.5-foot elevation contour.

That means the elevation of each property along the coast will be important information for any local governmental authority issuing building permits over the next year.

"Having this information available to the public helps everyone make informed decisions," Patterson said. "This will bring clarity to a messy situation and assist coastal property owners in making some important decisions over the next year."

GLO Earth is available on CD or online on the GLO Hurricane Response page at www.glo.state.tx.us.

Abundant Ike Imagery Captured by GLO

One result of Hurricane Ike is the huge collection of imagery captured by GLO staffers who surveyed the damage. Thanks to digital cameras and video recorders, thousands of still photos and hours of footage were shot. But that may have been the easy part, because all that imagery has to be sorted and labeled to make it user-friendly.

The first Monday after the storm, David Little of the GLO's Office of Communications met with Laura Wisdom of the Coastal Resources Division and they quickly agreed to make a master repository for Ike images. Wisdom is an information architect and Little, a former TV news director, is Director of Media Services at the GLO.

"We knew Coastal Resources, Oil Spill, Professional Services and Asset Management would have people in the field shooting imagery," Little said. "We set up a special place in Docushare (a software application) and let everyone know about it. I also wanted to collect all the video footage in one place."

With all the frenetic activity sparked by Ike, Little said there wasn't time to properly organize the thousands of images taken.

"As things calm down, all that stuff will have to be gone through and labeled," he said. "First, you have to save it, then you

can clean it up later. Someone in Coastal has already spent a lot of time just labeling photos."

The master repository is organized by general location and program area, and includes imagery collected from Bolivar Peninsula, Clear Lake, Galveston Island, Sabine



Heard recorded this image of a water park in Surfside that looks the worse for wear.

Pass, Treasure Island, Surfside Beach and Brazoria and Chambers counties.

In addition, there are separate folders for imagery captured by Coastal Resources, Oil Spill, Professional Services and Communications.

Of course, GLO employees had to go out in the field to take photos and footage, and one of them was Keith Heard of Communications, who went to Surfside to record coastal damage.

"The smell was terrible, a mixture of sewage and death," Heard said. "The island is inundated with large mosquitoes. The bug spray we brought did nothing to repel them."

Heard also took part in a flyover to shoot aerial video, as did Eddie Fisher of Coastal Resources and Jody Henneke, Deputy Commissioner for Coastal Resources.

Meanwhile, photo logs for Calhoun, Aransas and Matagorda counties have been run in preparation for the laborious post-Ike assessment.

"Honestly, it's just huge," Little said. "I'm sure once this is all over we'll have to go through it all and organize it better."



Keith Heard of Communications used this video camera during a Surfside flyover following Hurricane Ike.

Texas General Land Office Contact Information

1700 N. Congress Avenue, Austin, Texas 78701-1495 ♦ P.O. Box 12873, Austin, Texas 78711-2873

Phone: 512-463-5001 ♦ Fax: 512-475-1558

Commissioner

Jerry Patterson

512-463-5256

jerry.patterson@glo.state.tx.us

Deputy Land Commissioner & Chief Clerk

Larry Laine

512-936-1927

larry.laine@glo.state.tx.us

Chief Administrative Officer

James LeGrand

512-475-1269

james.legrand@glo.state.tx.us

Administration

Deputy Commissioner

Cheryl MacBride

512-463-5291

cheryl.macbride@glo.state.tx.us

Archives & Records

Deputy Commissioner

Mark Lambert

512-463-5277

mark.lambert@glo.state.tx.us

Asset Management

Deputy Commissioner

Hal Croft

512-475-1427

hal.croft@glo.state.tx.us

Financial Management

Deputy Commissioner

Gary Hagood

512-463-5001

gary.hagood@glo.state.tx.us

Internal Audit

Deputy Commissioner

Helen Young

512-463-5001

helen.young@glo.state.tx.us

Coastal Resources

Deputy Commissioner

Jody Henneke

512-463-6542

jody.henneke@glo.state.tx.us

Office of Communications

Director

Mark Loeffler

512-463-5339

mark.loeffler@glo.state.tx.us

Energy Resources

Deputy Commissioner

Louis Renaud

512-305-9104

louis.renaud@glo.state.tx.us

Funds Management

Deputy Commissioner

Rusty Martin

512-463-5120

rusty.martin@glo.state.tx.us

Legal Services

General Counsel & Deputy Commissioner

Bill Warnick

512-463-5007

bill.warnick@glo.state.tx.us

Office of Policy & Governmental Affairs

Deputy Commissioner

Trace Finley

512-475-2418

trace.finley@glo.state.tx.us

Human Resources and Risk Management

Deputy Commissioner

Terri Loeffler

512-475-1390

terri.loeffler@glo.state.tx.us

Information Systems

Deputy Commissioner

Stephen Paxman

512-463-5141

stephen.paxman@glo.state.tx.us

Oil Spill Prevention & Response

Deputy Commissioner

Greg Pollock

512-463-5329

greg.pollock@glo.state.tx.us

Agency Ombudsman

Mike Dunn

512-463-6860

michael.dunn@glo.state.tx.us

Professional Services

Deputy Commissioner

Rene Truan

512-463-5200

rene.truan@glo.state.tx.us

Renewable Energy

Deputy Commissioner

Dwain Rogers

512-936-1962

dwain.rogers@glo.state.tx.us

Veterans Land Board

Deputy Commissioner

& Executive Secretary

Paul Moore

512-463-5060

paul.moore@glo.state.tx.us

Agency Newsletters

Veterans Voice

<http://www.glo.state.tx.us/vlb/docs/vetvoice/VeteransVoiceFall08.pdf>

On the Coast

<http://www.glo.state.tx.us/coastal/pdf/onthecoast1208.pdf>

FAMA

http://www.glo.state.tx.us/oilspill/pdfs/fama/FAMA_Spring2008.pdf

Saving Texas History

<http://www.glo.state.tx.us/archives/pdfs/newsletters/volume5/newsletter-num2-08.pdf>

Cabin Connection

http://www.glo.state.tx.us/prof_svcs/asset_inspection/ai_data/cc_06_07.pdf

Adopt-A-Beach

<http://www.glo.state.tx.us/adopt-a-beach/pdf/newsletter0808.pdf>

Energy

<http://www.glo.state.tx.us/energy/newsletter/pdf/lonestarenergy.0308.pdf>

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